

DERWENT-ACC-NO: 1999-621866
DERWENT-WEEK: 200059
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TITLE: Catalyst comprising beta zeolite and promoter element for hydrocracking

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PATENT-ASSIGNEE: INST FRANCAIS DU PETROLE[INSF]

PRIORITY-DATA: 1998FR-0005737 (May 6, 1998) , 1998FR-0005736 (May 6, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 99088035 A	December 27, 1999	N/A	000	B01J 029/064
EP 955093 A1	November 10, 1999	F	018	B01J 029/48
FR 2778344 A1	November 12, 1999	N/A	000	B01J 023/883
FR 2778410 A1	November 12, 1999	N/A	000	C10G 047/20
JP 2000024506 A	January 25, 2000	N/A	012	B01J 029/076

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LJ LT LU LV MC MK N
L PT RO SE SI

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
KR 99088035A	N/A	1999KR-0015965	May 4, 1999
EP 955093A1	N/A	1999EP-0400975	April 21, 1999
FR 2778344A1	N/A	1998FR-0005736	May 6, 1998
FR 2778410A1	N/A	1998FR-0005737	May 6, 1998
JP2000024506A	N/A	1999JP-0126344	May 6, 1999

INT-CL (IPC): B01J021/04; B01J021/12 ; B01J023/882 ; B01J023/883 ;
B01J023/888 ; B01J023/889 ; B01J029/06 ; B01J029/064 ; B01J029/076 ;
B01J029/08 ; B01J029/16 ; B01J029/42 ; B01J029/48 ; B01J037/02 ;
C10G047/16 ; C10G047/20 ; B01J023/883 ; B01J105:10 ; B01J105:30 ;
B01J105:50 ; B01J105:80 ; B01J023/882 ; B01J105:10 ; B01J105:30 ;
B01J105:50 ; B01J105:80 ; B01J023/888 ; B01J105:10 ; B01J105:30 ;
B01J105:50 ; B01J105:80

ABSTRACTED-PUB-NO: EP 955093A

BASIC-ABSTRACT: NOVELTY - The catalyst has an activity and selectivity in hydrocracking greater than previous formulations based on a beta zeolite due to the presence of a promoter element in the matrix, chosen from boron (B), silicon (Si) and phosphorus (P).

DETAILED DESCRIPTION - The catalyst comprises a matrix, a beta zeolite, a hydro-dehydrogenating metal and a promoter element deposited in the matrix of the catalyst, comprising boron, silicon or phosphorus.

INDEPENDENT CLAIMS are also included for the preparation of the catalyst and its use in a hydrocracking process.

USE - The catalyst can be used for the conversion by hydrocracking of petrols,

kerosenes, gasoils, vacuum gasoils, atmospheric residues and distillates, vacuum residues and distillates, heavy fuels, waxes, paraffins, used oils and deasphalted residues and crudes.

ADVANTAGE - The matrix of the catalyst is acidified without poisoning the activity of the hydrogenating phase or the cracking activity of the zeolite-based acidic phase.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

CATALYST COMPRISE BETA ZEOLITE PROMOTE ELEMENT HYDROCRACKING

DERWENT-CLASS: H04 J04

CPI-CODES: H04-B03; H04-F02B; J04-E04; N06-B;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1999-181762